

830nm 1W Fiber Coupled Laser Diode Module | High Power LD | Medical and CTP Application

830nm|2-pin or 4-pin Package| 50um 60um 105um 200um 400um Fiber | PD Optional

WSLX-830-001-H

Wavespectrum Laser Group

www.wavespectrum-laser.com

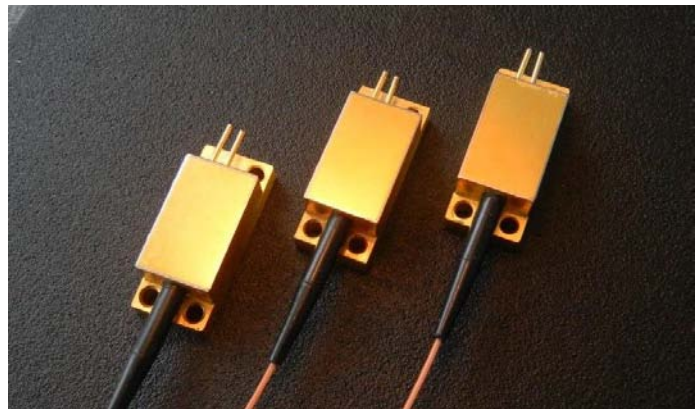
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-10~+30	°C
Storage Temperature	T_{stg}	-40 ~ +80	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 830 nm
- Multimode Fiber
- 2-pin or 4-pin Package
- PD Optional

Applications:

- Printing
- Medical laser treatment
- Others



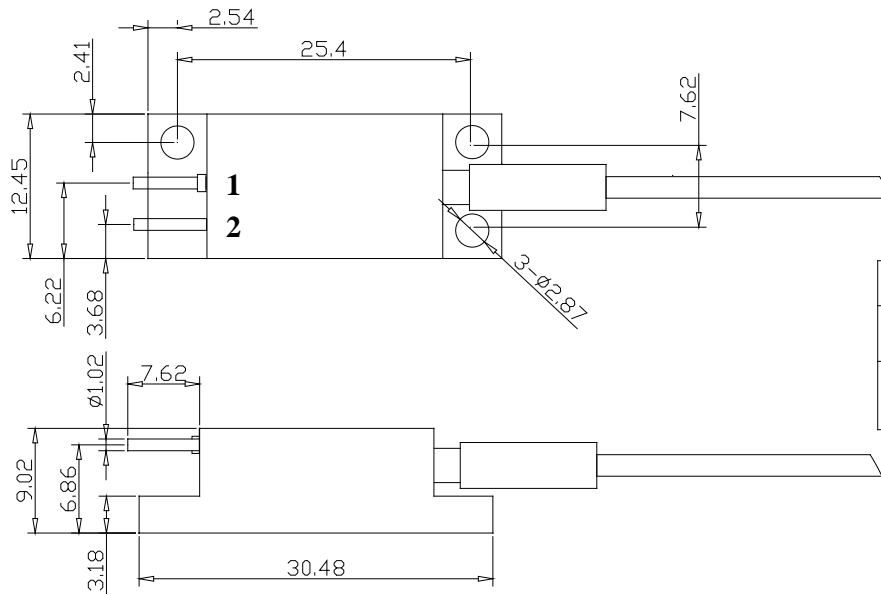
Specifications

WSLX-830-001-H

Center Wavelength@25°C	±3nm	830nm	±10nm
Spectral Width (FWHM)	----	1nm	2.5nm
Output Power	----	1W	----
Temperature Coefficient of Wavelength	0.3nm / °C		
Threshold Current (Typ.)	160mA		
Operating Current (Typ.)	1.2A		
Operating Voltage	1.8V		
Recommended Case Temperature	25°C		
Fiber Core Diameter	60um (50um, 105um, 200um, 400um Optional)		
Fiber Numerical Aperture	0.22(0.12N.A. ,0.37N.A. Optional)		
Fiber Length	80cm		
Connector Type	FC/ST/SC/SMA905		
Package Style	2-pin or 4-pin		



2-pin Package View



PIN	FUNCTION
1	LD (+)
2	LD (-)

Wavespectrum offer **Customized 830nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 2w@830nm+350mw@635nm)

Contact us with info@wavespectrum-laser.com

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.



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